

PATENT

Attorney Docket No.: SNS-010C1

(7268/17)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS:

Goodwin et al.

SERIAL NO.:

10/650,155

GROUP NO.:

Not Yet Assigned

FILING DATE:

August 28, 2003

EXAMINER:

Not Yet Assigned

TITLE:

3-D Selection and Manipulation With a Multiple Dimension Haptic

Interface

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any documents referred to as enclosed herein, are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 26th day of September, 2003.

Nicole Deane

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith in **BOX 2 OF 2** are:

- 1. Copy of Transmittal Form (1 pg.);
- 2. Copy of Information Disclosure Statement (3 pgs.);
- 3. Copy of Form PTO-1449 (11 pgs.);
- 4. Cited References B1-B17 and C1-C68; and
- 5. Return Receipt Postcard.

Note that originals of the copies listed above, as well as Cited References A1-A168, are mailed in **BOX 1 OF 2** of this submission.

	DIPE		·					
	- mm		Application Seria	Number	10/650,			
6	ост о 1 2003 и		Filing Date			28, 2003		
PATE	, B		First Named Inve	ntor	Goodw			
~	Ce L ANDY	r	Group Art Unit		Not Yet Assigned			
Ί	RANSMITTA	L	Examiner Name		Not Yet Assigned			
	FORM		Attorney Docket	No.	SNS-0			
			Patent No.			plicable		
			Issue Date		Not ap	plicable		
			a sypes (-l	all that apply)				
		ENC	CLOSURES (check Copy of Notice to	File Missing		Notice of Appeal to Board		
☐ Fee	Transmittal Form	ш	Parts of Applicatio	n		of Patent Appeals and Interferences		
	☐ Check Attached ☐ Copy of Fee Transmittal Form		Formal Drawing(s)		Appeal Brief (in triplicate)		
	Amendment/Response		Request For Conti Examination (RCI	nued E)		Status Inquiry		
	Preliminary		Transmittal		\boxtimes	Return Receipt Postcard		
	After Final Affidavits/declaration(s) Letter to Official Draftsperson		Power of Attorney (Revocation of Prior Powers)			Certificate of First Class Mailing under 37 C.F.R. 1.8		
	including Drawings [Total Sheets]		Terminal Disclain	mer		Certificate of Facsimile Transmission under 37 C.F.R. 1.8		
	Petition for Extension of Time		Executed Declaration of Attorney for U	Itility or Design		Additional Enclosure(s) (please identify below)		
⊠	Information Disclosure Statement		Small Entity State	tement				
	Form PTO-1449 Copies of IDS Citations (A1-A168; B1-B17 & C1-C68)		program	able or computer				
	Certified Copy of Priority		Amendment Aft	er Allowance				
	Document(s) Sequence Listing submission Paper Copy/CD Computer Readable Copy Statement verifying identity of above	Correction	Certificate of Correction (in					
COR	RESPONDENCE ADDRESS			SIGNATURE I	BLOCK	Respectfully submitted,		
	ct all correspondence to: Patent Testa, High S 125 H Boston Tel. N	t Thibeault, LLP er	Date: September Reg. No.: 53,002 Tel. No.: (617) 2 Fax No.: (617) 2	310-8427	William R. Haulbrook, Ph.D. Attorney for Applicants			



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INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1)	within three (3) months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the first Office action on the merits, or before the mailing of a first Office action after the filing of a request for continued examination under 37 C.F.R. 1.114; or
(2)	after the period defined in (1) but before the mailing date of a final action or a notice of allowance under 37 C.F.R. 1.311, and
	the requisite Statement is below, OR
	the requisite fee under 37 C.F.R. 1.17(p), namely \$180.00, is included herein, or

2.

In addition, Applicants wish to inform the Examiner of the following commonly-owned, co-pending applications:

Disclosure Statement.

cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in 37 C.F.R.

1.56(c) more than three months prior to the filing of the Information

Serial Number	Inventor	Filing Date	Priority Information
09/574,131	Tarr, et al.	05/18/00	Continuation of USSN 08/691,247
10/375,517	Shih, et al.	02/26/03	Continuation of US Patent No. 6,552,722, issued on 04/22/03, which is a continuation-in-part of US Patent No. 6,421,048, which claims benefit of USSN 60/093,304, filed on 07/17/98.
09/352,066	Handley, et al.	07/14/99	Continuation-in-part of US Patent No. 6,421,048, issued on 07/16/02, which claims benefit of USSN 60/093,304, filed on 07/17/98.
09/356.289	Rodomista, et al.	07/16/99	

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	Ytow	Filing Date	Priority Information
Serial Number	Inventor	05/13/02	Divisional of USSN 09/356,119
10/144,191	Rodomista, et al.		
10/017,703	Jennings, et al.	12/14/01	
10/017,148	Jennings, et al.	12/14/01	
10/133,242	Goodwin, et al.	04/26/02	CHO D 4 - 4 N - 6 260 924
10/055,565	Zilles, et al.	10/26/01	Continuation of US Patent No. 6,369,834, issued 04/09/02, which is a continuation of US Patent No. 6,111,577, issued 08/29/00.
10/022,114	Massie, et al.	11/16/01	Continuation of USSN 09/268,455 filed on 02/12/99, which is a continuation of US Patent No. 5,898,599 issued on 04/27/99, which is a continuation of US Patent No. 5,625,576, issued on 04/29/97, which is a continuation of US Patent No. 5,587,937 issued on 12/24/96.

Date: September 26, 2003

Reg. No. 53,002

Tel. No.: (617) 310-8427 Fax No.: (617) 248-7100 Respectfully submitted,

William R. Haulbrook, PhD. Attorney for Applicants

Testa, Hurwitz, & Thibeault, LLP

High Street Tower 125 High Street

Boston, Massachusetts 02110

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FORM PTO - 1449

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				TENT DOCUMENT	CLASS	SUBCLASS	FILING DATE IF	
EXAM.		DOCUMENT NUMBER	DATE	NAME			APPROPRIATE	
INIT.	\	2,475,484	07/05/49	DeNise	318	628	05/14/46	
	A1		02/01/65	Gallistel	214	1	07/07/60	
	A2	3,168,203	02.0	Jones et al.	214	1	12/20/63	
	A3	3,263,824	06,02,02		294	88	06/08/67	
	A4	3,449,008	06/10/69	Colechia	33	174	04/18/68	
	A5	3,531,868	10/06/70	Stevenson		\	01/02/69	
	A6	3,618,786	11/09/71	Fick	214	1CM		
		3,637,092	01/01/72	George et al.	214	1CM	04/30/70	
				Corwin et al.	235	151.1	07/16/74	
	A8	3,920,972	03/16/76	Eaton	235	161.3	04/18/74	
	A9	3,944,798		Flatau	214	1	11/01/76	
	A10	4,062,455	12/13/77	<u> </u>	244	135A	10/05/77	
 	All	4,150,803	04/24/79	Fernandez	340	365L	12/22/77	
	A12	4,216,467	08/05/80	Colston			01/22/79	
	A13	4,302,138	11/24/81	Zarudiansky	414	5		
 	A14	4,367,532	01/04/83	Crum et al.	364	513	12/24/80	
		4,420,808	12/13/83	Diamond et al.	364	434	01/18/82	
	A15		06/04/85		250	229	03/01/82	
	A16	4,521,685			414	7	08/03/83	
	A17	4,604,016	08/05/86		244	230	02/06/85	
-	A18	4,632,341	12/30/86			303B	09/10/80	
-	A19	4,638,798	01/27/87	Shelden et al.	128		03/27/85	
	A20	4,653,011	03/24/87	7 Iwano	364	513		
 	A21		03/31/8	7 Herrington et al.	340	710	12/17/84	
			04/07/8	7 Hawkes	414	730	05/10/83	
	A22	4,033,073			414	5	12/18/85	
	A2:	4,661,032	04/20/0	71141				



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A24		4,670,851	06/02/87	Murakami et al.	364	518	10/22/84
			06/30/87	Slocum	33	1 MP	12/20/85
A2:		4,676,002		Chand et al.	318	568	09/23/85
A2	6	4,680,519	07/14/87		364	559	02/07/85
A2	7	4,703,443	10/27/87	Moriyasu		414	06/05/85
A2	.8	4,729,098	03/01/88	Cline et al.	364		06/16/86
- A2	29	4,769,763	09/06/88	Trieb et al.	364	559	08/07/86
A:	30	4,791,934	12/20/88	Brunnett	128	653	
		4,795,296	01/03/89	Jau	414	5	10/17/86
	31		01/31/89	Cemenska et al.	60	393	02/13/87
A	32	4,800,721	04/04/89	Bell et al.	364	571.1	01/20/87
A	.33	4,819,195			74	471	11/03/87
Α	34	4,823,634	04/25/89		364	513	02/26/87
A	35	4,837,734	06/06/89			709.1	03/30/87
-+7	\36	4,839,838	06/13/89		364		11/20/87
	137	4,853,874	08/01/89	Iwamoto et al.	364	513	
	A38	4,888,538	12/19/89	Dimitrov et al.	318	675	01/13/88
	A39	4,893,981	01/16/90	Yoshinada et al.	414	5	03/26/87
			03/13/90) Meenen, Jr.	434	45	03/30/88
	A40	4,907,970	03/13/9		434	262	11/14/88
	A41	4,907,973			364	513	02/23/89
	A42	4,942,538	07/17/9		324	207.2	04/11/89
	A43	4,945,305	07/31/9		364	571.1	04/12/89
	A44	4,945,501	07/31/9			200	10/02/89
	A45	4,961,138	10/02/9		364		02/14/89
	A46	4,973,215	11/27/	90 Karlen et al.	414	729	
	A47	4,982,504	01/08/	91 Söderberg et al.	33	502	02/17/89
			01/29/	291 Zimmerman et al.	340	709	02/28/89
	A48		04/02/		414	6	08/21/89
	A49	5,004,391	04/02/	71			



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 	A50	5,007,300	04/16/91	Siva	74	471 X	01/22/90
	A51	5,018,922	05/28/91	Yoshinada et al.	414	5	09/12/89
	A52	5,019,761	05/28/91	Kraft	318	568.1	02/21/89
	A53	5,038,089	08/06/91	Szakaly	318	568.1	10/28/88
	A54	5,040,306	08/20/91	McMurtry et al.	33	556	02/20/89
	A55	5,044,956	09/03/91	Behensky et al.	434	45	01/12/89
	A56	5,053,975	10/01/91	Tsuchihashi et al.	364	513	06/08/89
	A57	5,072,361	12/10/91	Davis et al.	364	167	02/01/90
	A58	5,088,046	02/11/92	McMurtry	364	474	12/19/88
	A59	5,088,055	02/11/92	Oyama	364	560	02/22/90
	A60	5,103,404	04/07/92	McIntosh	318	568.2	12/20/89
	A61	5,105,367	04/14/92	Tsuchihashi et al.	395	99	10/16/89
	A62	5,116,051	05/26/92	Moncrief et al.	273	448 B	06/08/90
	A63	5,116,180	05/26/92	Fung et al.	414	5	05/03/90
	A64	5,130,632	07/14/92	Ezawa et al.	318	568.1	12/05/90
	A65	5,131,844	07/21/92	Marinaccio et al.	433	72	04/08/91
	A66	5,142,931	09/01/92	Menahem	74	471 XY	02/14/91
	A67	5,143,505	09/01/92	Burdea et al.	414	5	02/26/91
	A68	5,184,319	02/02/93	Kramer	364	806	02/02/90
	A69	5,185,561	02/09/93	Good et al.	318	432	07/23/91
	A70	5,189,806	03/02/93	McMurtry et al.	33	503	08/17/92
	A71	5,193,963	03/16/93	McAffee et al	414	5	10/01/90
	A72	5,204,824	04/20/93	Fujimaki	364	474	08/23/90
	A73	5,220,260	06/15/93	Schuler	318	561	10/24/91
	A74	5,223,776	06/29/93	Radke et al.	318	568.1	12/31/90
	A75	5,239,246	08/24/93	Kim	318	568.1	07/08/92



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	1.56	5.055.011	1.0/10/02		1 264	500	00/00/00
L	A76	5,255,211	10/19/93	Redmond	364	578	02/22/90
	A77	5,264,768	11/23/93	Gregory et al.	318	561	10/06/92
	A78	5,266,875	11/30/93	Slotine et al.	395	99x	05/01/91
	A79	5,354,162	10/11/94	Burdea et al.	414	5	10/11/94
	A80	5,382,885	01/17/95	Salcudean et al.	318	568.1	08/09/93
	A81	5,389,865	02/14/95	Jacobus et al.	318	568.1	12/02/92
	A82	5,396,265	03/07/95	Ulrich et al.	345	158	09/17/90
	A83	5,414,337	05/09/95	Schuler	318	561	06/11/93
	A84	5,429,140	07/04/95	Burdea et al.	128	774	06/04/93
	A85	5,438,529	08/01/95	Rosenberg et al.	364	709.1	01/26/94
	A86	5,459,382	10/17/95	Jacobus et al.	318	568.1	06/09/94
	A87	5,482,051	01/09/96	Reddy et al.	128	733	04/06/94
	A88	5,489,830	02/06/96	Fernandez	318	628	09/01/94
	A89	5,497,452	03/05/96	Shimizu et al.	395	120	03/02/92
	A90	5,515,078	05/07/96	Greschler et al.	345	156	
	A91	5,555,894	09/17/96	Doyama et al.	128	782	05/02/94
	A92	5,559,412	09/24/96	Schuler	318	561	05/03/95
	A93	5,576,727	11/19/96	Rosenberg et al.	345	179	06/05/95
	A94	5,587,937	12/24/96	Massie et al.	364	578	04/25/95
	A95	5,589,854	12/31/96	Tsai	345	161	06/22/95
	A96	5,623,582	04/22/97	Rosenberg	395	99	07/14/94
	A97	5,623,642	04/22/97	Katz et al.	395	500	04/06/94
	A98	5,625,576	04/29/97	Massie et al.	364	578	10/01/93
	A99	5,629,594	05/13/97	Jacobus et al.	318	568.1	10/16/95
	A100	5,642,469	06/24/97	Hannaford et al.	395	99	11/03/94
	A101	5,666,138	09/09/97	Culver	345	161	11/22/94

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A102	5,691,898	11/25/97	Rosenberg et al.	364	190	03/28/96
A103	5,694,013	12/02/97	Stewart et al.	318	561	09/06/96
A104	5,701,140	12/23/97	Rosenberg et al.	345	156	07/12/94
A105	5,721,566	02/24/98	Rosenberg et al.	345	161	06/09/95
A106	5,724,264	03/03/98	Rosenberg et al.	364	559	08/07/95
 A107	5,731,804	03/24/98	Rosenberg	345	156	01/18/95
 A108	5,734,373	03/31/98	Rosenberg et al.	345	161	12/01/95
A109	5,737,505	04/07/98	Shaw et al.	395	119	10/15/96
A110	5,739,811	04/14/98	Rosenberg et al.	345	161	09/27/95
A111	5,742,278	04/21/98	Chen et al.	345	156	11/01/95
A112	5,751,289	05/12/98	Myers	345	419	01/16/96
A113	5,754,023	05/19/98	Roston et al.	318	561	10/22/96
A114	5,767,839	06/16/98	Rosenberg	345	161	03/03/95
A115	5,769,640	06/23/98	Jacobus et al.	434	262	08/10/95
A116	5,784,542	07/21/98	Ohm et al.	395	95	10/23/96
A117	5,790,108	08/04/98	Salcudean et al.	345	184	10/23/92
A118	5,798,752	08/25/98	Buxton et al.	345	146	02/27/95
A119	5,800,177	09/01/98	Gillio	434	262	07/11/96
A120	5,800,178	09/01/98	Gillio	434	262	07/11/96
A121	5,800,179	09/01/98	Bailey	434	262	07/23/96
A122	5,802,353	09/01/98	Avila et al.	395	500	06/12/96
A123	5,803,738	09/08/98	Latham	434	29	08/05/96
A124	5,805,140	09/08/98	Rosenberg et al.	345	161	11/17/95
A125	5,821,920	10/13/98	Rosenberg et al.	345	156	03/28/97
A126	5,825,308	10/20/98	Rosenberg	341	20	11/26/96
A127	5,828,197	10/27/98	Martin, et al.	318	567	10/25/96

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	A128	5,831,408	11/03/98	Jacobus, et al.	318	568.1	05/12/97
	A129	5,844,392	12/01/98	Peurach et al.	318	568.2	05/21/97
	A130	5,859,934	01/12/99	Green	382	296	01/14/97
	A131	5,880,714	03/09/99	Rosenberg et al.	345	156	01/15/97
	A132	5,889,670	03/30/99	Schuler et al.	364	186	01/11/96
	A133	5,903,456	05/11/99	Schena et al.	364	190	01/27/97
	A134	5,907,487	05/25/99	Rosenberg et al.	364	190	04/02/97
	A135	5,913,727	06/22/99	Ahdoot	463	39	06/13/97
	A136	5,929,607	07/27/99	Rosenberg et al.	320	166	04/02/97
	A137	5,929,846	07/27/99	Rosenberg et al.	345	161	06/05/97
<u> </u>	A138	5,956,484	09/21/99	Rosenberg et al.	395	200.3	08/01/96
	A139	6,084,587	07/04/00	Tarr et al.	345	419	02/08/96
	A140	6,191,796 B1	02/20/01	Tarr	345	433	01/21/98
	A141	6,337,678 B1	01/20/02	Fish	345	156	07/21/99
	A142	6,342,880 B2	01/20/02	Rosenberg et al.	345	161	10/06/99
	A143	D. 377,932	02/11/97	Schena et al.	D14	114	10/31/95
	A144	5,237,647	08/17/93	Roberts, et al.	345	419	10/28/91
	A145	5,333,257	07/26/94	Merrill, et al.	345	467	08/09/91
	A146	5,446,834	08/29/95	Deering	345	427	12/06/94
	A147	5,659,493	08/19/97	Kiridena, et al.	703	2	03/03/95
	A148	5,774,130	06/30/98	Horikawa, et al.	345	441	08/31/95
	A149	5,847,956	12/08/98	Bronfeld, et al.	700	98	09/26/96
	A150	5,872,438	02/16/99	Roston	318	568.11	07/01/97
	A151	5,873,106	02/16/99	Joseph	715	506	09/18/95
	A152	5,882,206	06/16/99	Gillio	434	262	03/29/95
	A153	5,898,599	04/27/99	Massie, et al.	345	161	12/23/96

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	A154	5,903,886		05/11/9	9	Heimlich,	et al.		706		50		04/2	9/97	
	A155	5,973,678		10/26/9	-	Stewart, e			345		184		08/2		
	A156			11/23/9	_	Kacyra, e			703		6			24/96	
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	A157	6,111,577		08/29/0	-4	Zilles, et			345		701		04/0		
	A158			04/03/0		Plesniak,	et al.		345		156		02/0		
	A159	6,226,003	 	05/01/0	1	Akeley			345		419		08/1	1/98	
	A160	6,308,144		10/23/0	1	Bronfeld,	et al.		703		2		09/2	6/96	
	A161	6,369,834		04/09/0	2	Zilles, et	al.		345	;	701		06/0	2/99	
	A162	6,417,638		07/09/0	2	Guy, et al			318	3	560		07/1	6/99	
	A163	6,421,048		07/16/0	2	Shih, et a	l.		345	;	419		06/28/99		
	A164	6,552,722	6,552,722		3	Shih, et a	l.	345		;	19	07/0		6/99	
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	A167	20020158842		10/31/0	2	Guy, et al	al.		345		156		05/1	3/02	
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